

MODEL RESULTS SUMMARY: The injected waste plume extends 7,400 feet up-gradient, 7,100 feet down-gradient, 6,950 feet to the northeast and 8,600 feet to the southwest from the WDW-397 injection well at the end of operations (12/31/2020). The end-of-operations waste plume is oval in shape and has a width of 15,550 feet on the long axis and 14,500 feet on the short axis. After shifting the 10,000-year waste plume down dip by 12,000 feet to account for groundwater flow in the Frio E&F Sand, the injected waste plume extends 20,100 feet up-gradient and 18,950 feet down-gradient from the WDW-397 injection well and is approximately 15,550 feet wide at its widest point after 10,000 years.

LEGEND

- Location
- Location Abandoned
- Rig Up
- Drilling
- Dry & Abandoned
- Oil Well
- Oil Well Abandoned
- ✱ Gas Well
- ✱ Gas Well Abandoned
- ✱ Well Abandoned-Show of Oil & Gas
- ✱ Well Abandoned-Show of Oil
- ✱ Well Abandoned in Salt
- ✱ Well Abandoned in Cap Rock
- Core Test Well
- ✱ Wet Gas Or Condensate Well
- ✱ Wet Gas or Condensate Well Abnd
- ✱ Producing Oil & Gas
- ✱ Injection Well

- Grant Or Section Line
- County Line
- State Line
- Line Visible On Aerial Photo

Agrifos Fertilizer and
Gyp-Stack Locations

-4650 Post Numbers
F/O Horizon Faulted Out

Base Map - Structure Map on Top of Frio E&F Sand
Modeled Waste Plume Density = 64.25 lb/ft³
Injection Interval Formation Fluid Background Flow Velocity = 1.2 ft/yr

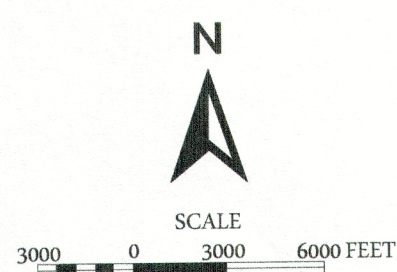


PLATE 7-22

TERRA
DYNAMICS INC

**MAXIMUM EXTENT OF MODELED
PLUME AT END OF OPERATIONS
AND 10,000 YEARS (ExMob EF HiDens)**
(Frio E&F Sand High Density Lateral Migration Model)

PREPARED FOR
EXXON MOBIL CORPORATION
PASADENA, TEXAS

DRAWN BY: tdm	SCALE: As Indicated	DATE: Revised: 02-15-2011
DESIGNED BY: SAME		JOB NO: 11-101
CHECKED BY: T. Moody		